

NEBRASKA WEATHER & CROPS

NEBRASKA
AGRICULTURAL
STATISTICS
SERVICE

For Week Ending August 21, 1994

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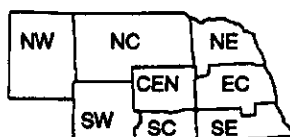
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National Agricultural Statistics Service
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National Oceanic and Atmospheric Admn.
National Weather Service



Nebraska Department of Agriculture
Division of Agr'l. Statistics
Cooperative Extension Service
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WEATHER

Temperatures for the week averaged from near normals in the west to five degrees below normals in the east. Precipitation amounts varied from none in the northwest up to .88 inch in the central portion.

GENERAL

Crop development continued to progress well last week in spite of cooler night temperatures, according to the Nebraska Agricultural Statistics Service. Irrigation systems were in wide use across the State as producers wanted to give crops "one more shot" of water before season's end. Dryland crops in areas of limited or no rainfall were feeling the stress. Weed control in many sorghum and soybean fields appears poor, with many weeds and grasses appearing after the final cultivation pass. Fields with substantial weed growth and limited rainfall have raised producer concerns for realizing full yield potential. Other producer activities included potato harvest, spraying for grasshoppers and corn borer, preparations for winter wheat seeding, readying grain bins and equipment for harvest, and weed control.

CROPS

Corn condition was rated at 2% poor, 8% fair, 65% good, and 25% excellent. Plant development continued at a faster than average pace. Corn in or beyond the dent stage, rated at 49%, was about ten days ahead of the 5-year average. Irrigation systems were in operation last week in several areas in an effort to help fill the "second ear" that has grown well thus far this season.

CROPS (Cont.)

Soybean condition was rated at 1% poor, 11% fair, 64% good, and 24% excellent. Leaves were beginning to turn within fields about a week ahead of the 5-year average. Areas most advanced were the southwest and south central districts. Hand weeding continued.

Sorghum condition was rated at 1% poor, 12% fair, 71% good, and 16% excellent. Coloring was progressing well at 26%, about a week ahead of the average. The southwest district was most advanced. Weed growth continued to be a problem for many fields.

Dry bean condition was rated at 41% fair, 53% good, and 6% excellent. Leaves were turning color and producers were readying harvest equipment.

Alfalfa condition was rated at 5% poor, 30% fair, 59% good, and 6% excellent. Third cutting activities progressed to 64% harvested by week's end. Most areas need additional rainfall to realize sufficient growth for a fourth cutting. Fall seeding activities were underway. **Wild hay** condition was rated at 1% very poor, 8% poor, 14% fair, 68% good, and 9% excellent. Haying remained active.

LIVESTOCK

Pasture and range condition was rated at 89% of normal and compares with 105% last year. As in past weeks, some areas continue to have good grass regrowth with excellent grazing potential while other areas have depleted the grazing potential and are giving cattle supplemental hay. Rainfall is needed to provide adequate fall grass growth.

FIELD WORK PROGRESS AS OF AUGUST 21, 1994	AGRICULTURAL STATISTICS DISTRICTS								STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE				
% corn dough stage	83	100	92	97	97	99	100	99	96	83	48	69
% corn dented	8	42	32	37	58	62	66	65	49	17	7	21
% corn mature	0	0	0	0	1	2	1	1	1	0	0	1
% sorghum turning color	0	7	9	12	29	50	22	25	26	9	3	14
% soybeans turning color	0	4	6	10	8	38	18	9	8	2	0	2
% alfalfa third cutting	29	36	60	82	84	75	90	79	64	48	29	51
% dry beans turning	26	38	39	0	0	49	64	0	32	8	n/a	n/a
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF AUGUST 19, 1994												
Days suitable	7.0	6.9	6.7	5.0	6.9	6.7	6.8	6.5	6.7	5.2	4.8	
Topsoil moisture - Short	83	42	53	50	55	88	40	87	61	26	13	
(Percent) - Adequate	17	58	47	50	45	12	60	13	39	70	77	
- Surplus	0	0	0	0	0	0	0	0	0	4	10	
Subsoil moisture - Short	75	8	13	0	10	63	7	67	29	18	0	
(Percent) - Adequate	25	92	87	83	90	37	93	33	70	79	90	
- Surplus	0	0	0	17	0	0	0	0	1	3	10	

n/a = not available.

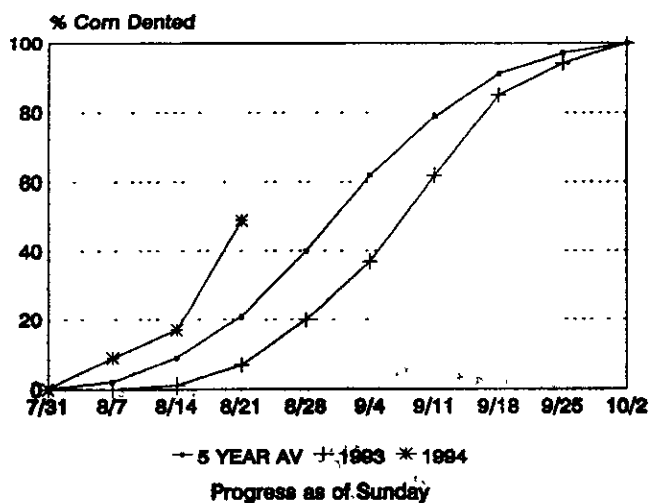
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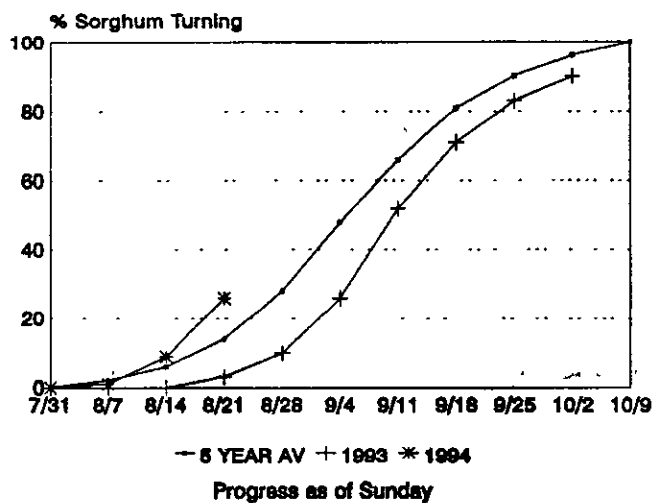
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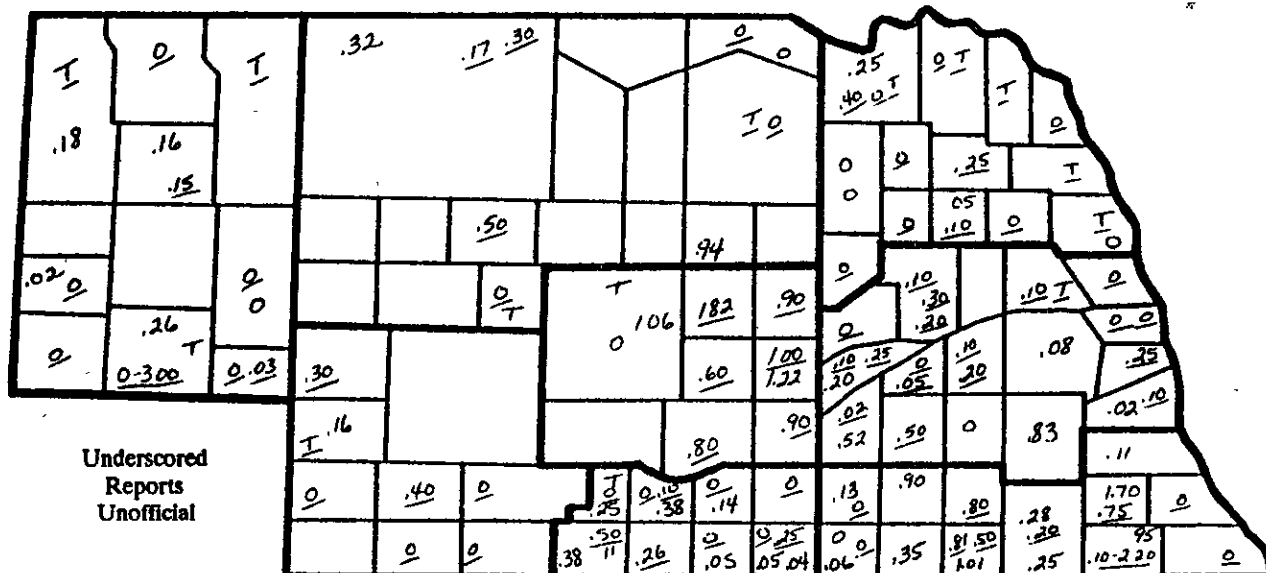
CORN DENTED



SORGHUM TURNING



PRECIPITATION MAP FOR WEEK ENDING FRIDAY, AUGUST 19, 1994



PRECIPITATION, APRIL 1 - AUGUST 19, 1994

	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week	10	.32	.05	.57	.28	.10	.16	.52
Total since April 1	8.25	13.88	13.57	15.50	17.77	10.86	15.00	15.71
Normal since April 1	11.21	13.64	15.62	14.70	16.56	12.48	14.76	17.24
Total as % of normal	74%	102%	87%	105%	107%	87%	102%	91%

TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA,
WEEK ENDING SUNDAY, AUGUST 21, 1994

Station		Temperature				Precipitation	Growing Degree Data Since April 15			
		Extremes		Mean	Departure		Total Inches 1/	Last Week	Current	Normal
		Max	Min							
NW	Chadron	98	54	76	---	0	---	---	---	
	Scottsbluff	98	52	73	+1	0	2089	2223	2098	
	Sidney	---	---	---	---	---	1999	2144	1937	
NC	Valentine	100	49	72	0	.17	---	---	---	
	Arthur	---	---	---	---	---	1980	2119	1974	
	O'Neill	---	---	---	---	---	2008	2135	2219	
NE	Norfolk	89	50	70	-2	.04	---	---	---	
	Sioux City	86	50	69	-4	T	---	---	---	
	Concord	---	---	---	---	---	2042	2168	2289	
	Elgin	---	---	---	---	---	2064	2198	2237	
CEN	West Point	---	---	---	---	---	2181	2310	2354	
	Grand Island	92	52	71	-3	.88	---	---	---	
	Ord	90	49	70	---	0	2148	2284	2248	
	Wood River	---	---	---	---	---	2217	2355	2446	
EC	Lincoln	90	47	70	-5	.22	2399	2554	2532	
	Omaha	92	51	71	-3	T	---	---	---	
	Central City	---	---	---	---	---	2229	2364	2456	
	Mead	---	---	---	---	---	2227	2358	2441	
SW	Rising City	---	---	---	---	---	2204	2339	2404	
	Imperial	---	---	---	---	---	---	---	---	
	North Platte	93	51	72	0	.03	2101	2239	2173	
	McCook	---	---	---	---	---	2324	2474	2384	
SC	Holdrege	---	---	---	---	---	2263	2405	2364	
	Red Cloud	---	---	---	---	---	2315	2464	2416	
SE	Beatrice	---	---	---	---	---	2318	2464	2448	
	Clay Center	---	---	---	---	---	2250	2388	2403	

1/ Precipitation totals not included in map above.

Growing Degree Days (GDD) are used to measure the length of time required for a crop to reach maturity. The formula used to calculate GDD is: Max. temp. + min. temp. divided by 2 minus 50 = GDD. For example, if the average temperature for a day = 70 degrees, the GDD = 20 for that day. GDD are calculated for each day and accumulated from April 15.

Growing Degree Day data is furnished by the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln.